

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Canceled).

2. (Previously Presented) Method as claimed in Claim 24, wherein the thermally loaded components include the walls of the combustor and/or walls of the transition pieces and/or housing parts of the turbine and/or rotor parts of the turbine and/or blades of the turbine.

c' 3. (Previously Presented) Method as claimed in Claim 2, wherein the blades of the turbine are cooled with the cooling air, and the drilled film cooling openings are located on the leading blade edges and/or the trailing blade edges.

Claim 4 (Withdrawn).

5. (Previously Presented) Method as claimed in Claim 24, wherein the compressor of the gas turbine system itself is used for compressing the cooling air after the cooling process.

Claims 6-7 (Withdrawn).

Claim 8 (Canceled).

9. (Currently Amended) Method as claimed in Claim 24, wherein the cooling air is additionally cooled after removal from the compressor to a lower temperature before it is used for the cooling of thermally loaded components.

10. (Previously Presented) Method as claimed in Claim 24, wherein a cooler is used to cool the cooling air.

Claims 11-13 (Withdrawn).

Claim 14 (Canceled).

15. (Currently Amended) Apparatus for cooling a gas turbine system as claimed in ~~any one of Claims 26, 27 and 28~~ Claim 26, wherein the cooled components include blades of the turbine, and the drilled film cooling openings are located on the leading blade edges and/or the trailing blade edges.

16. (Currently Amended) Apparatus for cooling a gas turbine system as claimed in ~~any one of Claims 26, 27 and 28~~ Claim 26, wherein the second cooling lines merge into the compressor at an intermediate pressure level.

Claim 17 (Withdrawn).

Claims 18-20 (Canceled).

Claim 21 (Withdrawn).

22. (Currently Amended) Apparatus for cooling a gas turbine system as claimed in ~~any one of Claims 26, 27 and 28~~ Claim 26, wherein means for cooling the cooling air are located in the first cooling lines.

23. (Previously Presented) Apparatus for cooling a gas turbine system as claimed in claim 22, wherein a cooler is located in the first cooling lines.

24. (Previously Presented) Method for cooling a gas turbine system comprising a compressor that takes in suction air on the inlet side and compresses it to compressor end air that is available on the outlet side, a combustor in which a fuel is burned by using the compressor end air while resulting in the formation of hot gas, as well as a turbine in

which the hot gas is expanded while providing work output, in which process compressed air is removed from the compressor, is fed as cooling air for cooling inside an internal cooling channel through thermally loaded components of the combustor and/or the turbine, is then cooled and then compressed and added to the compressor end air, wherein, in the manner of a targeted leakage, a small part of the cooling air is fed for film cooling into the turbine stream through drilled film cooling openings provided on the components.

Claim 25 (Withdrawn).

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26. (Previously Presented) Apparatus for cooling a gas turbine system comprising: a compressor that takes in suction air on the inlet side and compresses it to compressor end air that is available on the outlet side, a combustor in which a fuel is burned by using the compressor end air while resulting in the formation of hot gas, as well as a turbine in which the hot gas is expanded while providing work output, whereby, in order to cool thermally loaded components of the combustor and/or the turbine, first cooling lines from the compressor and/or the outlet of the compressor to components and second cooling lines from the components back to the compressor and/or the outlet of the compressor are provided, wherein a cooler is located in the second cooling lines and wherein the components to be cooled are provided with drilled film cooling openings that communicate with the first and second cooling lines.

Claims 27-29 (Withdrawn).
